What claimed is:

- 1. A collimating device comprising:
 - a Graded Index lens:
 - a filter; and
 - a tube comprising a first receiving portion and a second receiving portion, wherein the Graded Index lens is secured in the first receiving portion, and the filter is secured in the second receiving portion.
- 2. The collimating device as described in claim 1, wherein the first receiving portion defines a cylindrical cavity therein, and the second receiving portion defines a generally rectangular cavity therein.
- 3. The collimating device as described in claim 2, wherein the Graded Index lens is secured in the cylindrical cavity, and the filter is secured in the rectangular cavity.
- 4. The collimating device as described in claim 1, wherein the Graded Index lens has an inner end face contacting an inside surface of the filter.
- 5. The collimating device as described in claim 1, wherein the Graded Index lens is glued in the first receiving portion.
- 6. The collimating device as described in claim 1, wherein the filter is glued in the second receiving portion.
- 7. The collimating device as described in claim 1, wherein the filter is a thin film filter.

- 8. The collimating device as described in claim 1, wherein the Graded Index lens has an obliquely ground and polished end disposed outside the first receiving portion of the tube.
- 9. A method for making a collimating device, the method comprising the steps of: preparing a Graded Index lens, and coating the Graded Index lens with epoxy film;

preparing a tube having a first receiving portion and a second receiving portion, and inserting the Graded Index lens into the first receiving portion;

baking the tube with the Graded Index lens to cure the epoxy film;

preparing a filter, inserting the filter into the second receiving portion, and adjusting a position of the filter to optically correspond to the Graded Index lens; and

applying epoxy between a periphery of the filter and the second receiving portion, and baking the epoxy to cure the epoxy and thereby fasten the filter in the tube.

- 10. The method as described in claim 9, wherein the first receiving portion defines a cylindrical cavity therein, the second receiving portion defines a generally rectangular cavity therein, and the Graded Index lens and the filter are respectively secured in the cylindrical cavity and in the rectangular cavity.
- 11. The method as described in claim 9, wherein the Graded Index lens has an inner end face contacting an inside surface of the filter.
- 12. A collimating device comprising a GRIN lens and a filter axially aligned with each other wherein said GRIN lens and said filter are not directly secured

to each other around an interface therebetween, while instead laterally radially secured to a same third party respectively.

13. The collimating device as described in claim 12, wherein said third party is a tube defining first and second receiving sections with different diameters thereof to respectively receive said GRIN lens and said filter therein.

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